

> RTS GC1000

Remote Gate Controller

– Versatile access control unit



KEY FEATURES – BENEFITS

- Validation of barcode data to enable opening or unlatching and closing of gates, turnstiles or roller doors – *Allows for unattended access to doors, gates, turnstiles etc with a valid pass*
- Unattended scanning of barcodes to control production line PLCs – *Removes the need for sophisticated controller units or industrial computers*
- Automation of shrink wrap machine process via simple barcode scanning – *Decodes characters in the barcode to advise shrink wrap machine whether to wrap products or not, automating the shrink wrap process*
- Embedded technology with continuous low power operation – *Extremely reliable & can be run from low power battery source or solar cell if required for remote applications*
- Smart design and simple implementation – *Simplifies remote control of gates & doors as an alternative option to complex wiring & programming of security alarm systems*
- Remote control of your farm or building site gates (requires GPRS connectivity) – *Allows remote control of your farm or building site gates from your mobile phone via SMS for secure after hours access*
- Custom software development – *Allows customised functionality and ability to integrate into other systems*

PRODUCT OVERVIEW:

The RTS Gate Controller has been designed as a flexible solution to enable remote access to doors, gates and turnstiles.

It can also be used where you need to trigger an output remotely via a barcode from a PC or a mobile phone to activate a PLC, latch a door or start and stop a production line.

Current applications of the RTS Gate Controller can be seen at Amcor Fibre Packaging, who use the controller to detect and stop a conveyor belt if products are the wrong way on a conveyor belt. Another Amcor site use

the controllers to interpret barcode information and determine if the product needs to be shrink wrapped or not. Murray Goulburn and BMW have both used the gate controller to activate turnstile gates via scanning ID cards.

As the applications for the system can be varied, RTS can write custom software to suit a client's specific application, for example validation from a database prior to granting access.





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CPU ARCHITECTURE

General Operating

- Case Material Polycarbonate
- Case Rating IP66 & NEMA 4
- Operating Voltage 12V - 76V DC
- Operating Current 400mA typical
1 amp Max with optional card reader.

Processor Core

- CPU - MCU MC68HC908AP64 (M68HC08 Family of 8-bit microcontrollers)
- FLASH Memory Size 62,368 (bytes)
- Ram – Lithium Ion, Internal Battery backed

REAL-TIME CLOCK

- RAM Size 2048 (bytes)
- 56 Byte, battery backed RTC

CONNECTIVITY

- 1 x RS232 Comm Port
- 3 Relay Outputs – Contact rated load
0.3A at 125V ac, 1A at 30V dc

PHYSICAL OPERATING PARAMETERS

Temperatures

- Standard 0°C to +40°C
- Storage 0°C to +60°C

DIMENSIONS

- Case Size 90mm x 90mm x 60mm
- Weight 700g (including base plate)

OPTIONS

- Wireless LAN connectivity
- Remote control of warehouse roller doors (requires WLAN option)
- GPRS connectivity

COMPLIANCE

General

C-Tick

Options

- 802.11B wireless LAN module
- GPRS/GSM wireless modem
- Custom RTS software

Spread Spectrum

Compliant with the current IEEE 802.11B/G standard

GPRS

Compliant with A-Tick standards

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RTS is an Australian hardware manufacturer and integrator of mobile devices, specialising in warehousing and materials handling applications. The company was founded in 1997, and is now recognised for its market-leading ruggedised products and responsive customer service.

RTS is a subsidiary of the Oxford Logistics Group, a family owned business which focuses on providing products and services for the cold storage, logistics, warehousing and materials handling industries.

Because of our constant product improvement process, these performance specifications may be subject to change at any time without notice.



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